DUPLICATES

Work Orde Tuesday, June 29										•	Page 1
tem ID: Revision ID:	D4000-041		4	Accept					Setup St	art	
	4/22/2010	Assembly, Aft Start Qty: 1.00 Req'd Qty: 1.00	1 14 14 14 14 14 14 14 14 14 14 14 14 14		Cust Ite Customo	!			St	top	
Approvals:		an: M	Date: 10-6-9			Date:	- 	I			
Sequence ID/ Work Center ID)	Operation Description		Set Up/ Run Hours	Tool II	Tool#	Plan Code	Accept Qty	Reject Qty		Insp. Stamp
Draw Nbr	Rev	ision Nbr				: :	· · · · · · · · · · · · · · · · · · ·				H
D4000	Α			,		į 					
00 Large Fab arge Fab		Weld per dwg A/R Al Memo	uminum rod Batch: MII &	0.00 ·	Az,	10.06-29	7	_/			10 · · · · · · · · · · · · · · · · · · ·
10 QC Quality Control		QC9- Inspect visual per	QSI004- Fusion Welds	0.00	BE	10/06/29	?	~/_	· • • • • • • • • • • • • • • • • • • •		1
20 C		QC5- Inspect part comp	oleteness to step on W/O	0.00 S 60.00	6/29			(4)			
uality Control						 		24			

	<u> </u>								
W/O:			WC	RK ORDER CHANGE	:S				
DATE	STEP	PRO	OCEDURE CHAI	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	
									·
Part No		PAR #:							
Resolution:			Disposition: Q			losed:		Date: _	
NCR:		1	WORK ORDER NON-CONFORMANCE (NCR)						
		Description of NC		Corrective Action Section		Verific	ation	Approval	Approval
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign and Date	Section Section	n C	Chief Eng	QC Inspector
:									

Work Ord											Page 2
Item ID: Revision ID:	D4000-041			Accept		 			Setup	Start	
Item Name: Start Date: Required Date: Reference:	4/22/2010	Assembly, Aft Start Qty: 1.00 Req'd Qty: 1.00			Cust Ite Custom					Stop	
Approvals:	Process Pla	an:	Date:	Tooling: SPC (Y/N):		Date:			Run	Start Stop	
Sequence ID/ Work Center II 130 Packaging Packaging	D	Operation Description Identify as per dwg & St	ock Location:_WA	Set Up/ Run Hours 0.00	Tool II		Plan Code	Accep Qty	ot Rej Qty		Reject Insp. Number Stamp
		QC21 <					:			1	10-6-30

W/O:	:		VV	ORK ORDER CHAIN	GES					
DATE	STEP	PRO	OCEDURE CH	ANGE	E	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
Part No	•	PAR #:	Fault Cat	egory:	NCR:	Yes N	lo DQA		Date: _	
	R	esolution:	Dispositi	on:	QA: N	/C Clo	sed:		Date: _	
NCR:		\	WORK ORI	DER NON-CONFORM	MANCE (NCR)			·	
D.4.T.F.	OTED	Description of NC			ection B		Verifica	tion	Approval	Approval
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng				ı C	Chief Eng	QC Inspector
						· · · · · · · · · · · · · · · · · · ·				

Picklist Print

Tuesday, June 29, 2010 10:23:09 AM

Work Order ID: 58034

Parent Item:

D4000-041

Parent Item Name: Drain Fitting Assembly, Aft



Start Date: 4/22/2010

Required Date: 4/22/2010

Page 1

Start Qty: 1.00

Required Qty: 1.00

Comments:

IPP rev A 10.01.20 new issue Prelim EC verified by:DD

10.05.13 ecn10-562 EC verified by:DD

C	_						i						
Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D4000-043		Manufactured	No				Each	0.0000					
		1					Lacii '	OUMAN		7			

Drain Fitting Assembly, Fwd

D4003-1 internal drain like D4000-3

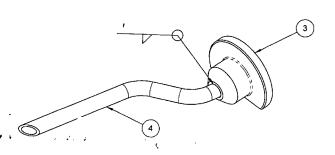
Fuel sump Stain Fitting

Al 10.06.29 B 60058

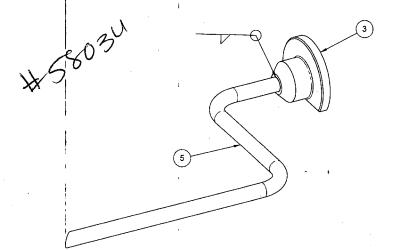
A10.06.29

										
W/O:			WC	ORK ORDER CHANGE	ES					
DATE	STEP	PRO	CEDURE CHA	NGE	Ву		Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
								:		
Part No	:	PAR #:	Fault Cate	gory:	NCR: Y	es N	o DQA		_ Date: _	
	R	esolution:	Dispositio	_ QA: N/C	Clos	sed:		Date:		
NCR:		V	WORK ORD	ER NON-CONFORMA	NCE (N	CR)			4	
DATE	STEP	Description of NC		Corrective Action Section			Verifica	ition	Approval	Approval
DATE	SIEP	Section A	Initial Chief Eng	Action Description Chief Eng		n & ate	Sectio		Chief Eng	QC Inspector
					i					

			//	. 6	5
ITEM	QTY. -043	QTY. -045	P/N	DESCRIPTION	JOHN CAMERON AVIATION
1	Х		D4000-041	DRAIN FITTING ASSEMBLY, AFT	PART NUMBER
2		Х	D4000-043	DRAIN FITTING ASSEMBLY, FWD	JCA-M47-1-06
3 4 5	1 1	1	D4000-3 D4003-1 D4003-3	FUEL SUMP DRAIN FITTING INTERNAL DRAIN LINE, AFT INTERNAL DRAIN LINE, FWD	JCA-M47-1-15



D4000-041 DRAIN FITTING ASSEMBLY, AFT



3

2

D4000-043 DRAIN FITTING ASSEMBLY, FWD



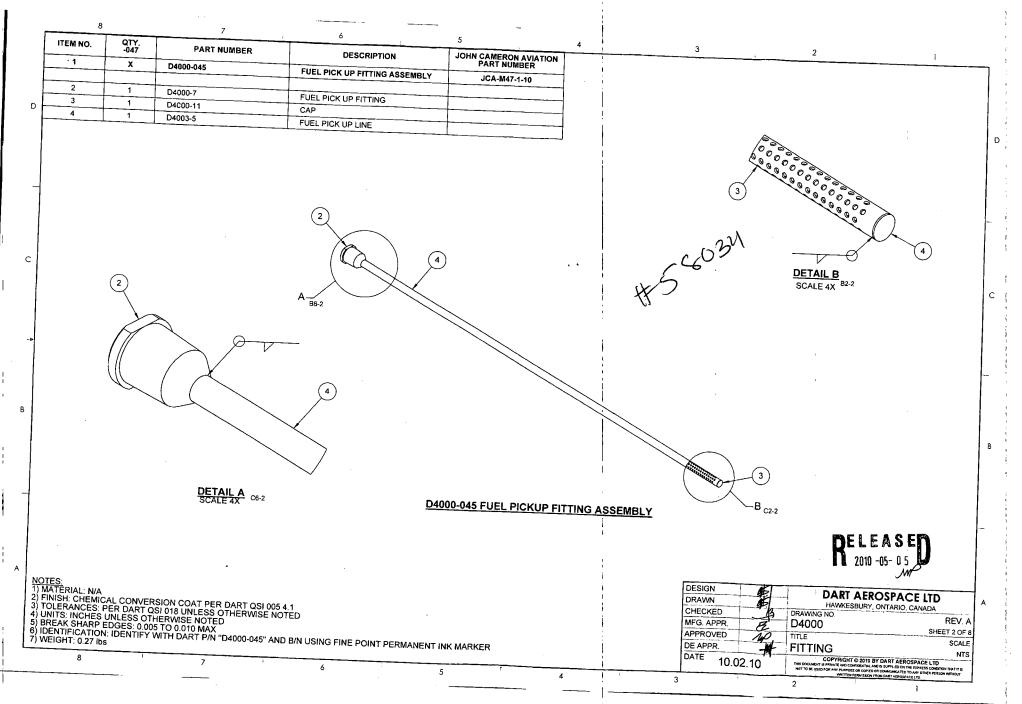
Α	NEW ISS	UE						
REV.	-		DESCRIPTION	95	10.02.10			
DESIGN	<u></u>	A		BY	DATE			
DRAW	v '		DART AER HAWKESBURY	OSPACE L'	TD			
CHECK		B	DRAWING NO.					
MFG. A	PPR.	B	□ D4000		REV. A			
APPRO	VED	10	TITLE		SHEET 1 OF			
DE APP		144			SCALE			
	K.]		FITTING		NTS			
DATE	10.02	2.10	COPYRIGHT © 2010 BY DART AEROSPACE LTD THIS DOCUMENT IS PROVIDE AND COMPRIONTILL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT HOT TO BE USED ANY PURPOSE OR COMED OR COMMENCATED TO ANY OTHER PERSON WITHOUT MATTER PERSONS OF PROM DATE TERROPAGES IT. TO					

NOTES:
1) MATERIAL: N/A
2) FINSH: N/A
3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
4) UNITS: INCHES UNLESS OTHERWISE NOTED
5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
6) IDENTIFICATION: IDENTIFY WITH DART P/N "D4000-043/-045" AND B/N USING FINE POINT PERMANENT INK MARKER
D4000-045 - 0.05 lbs
7
6
5

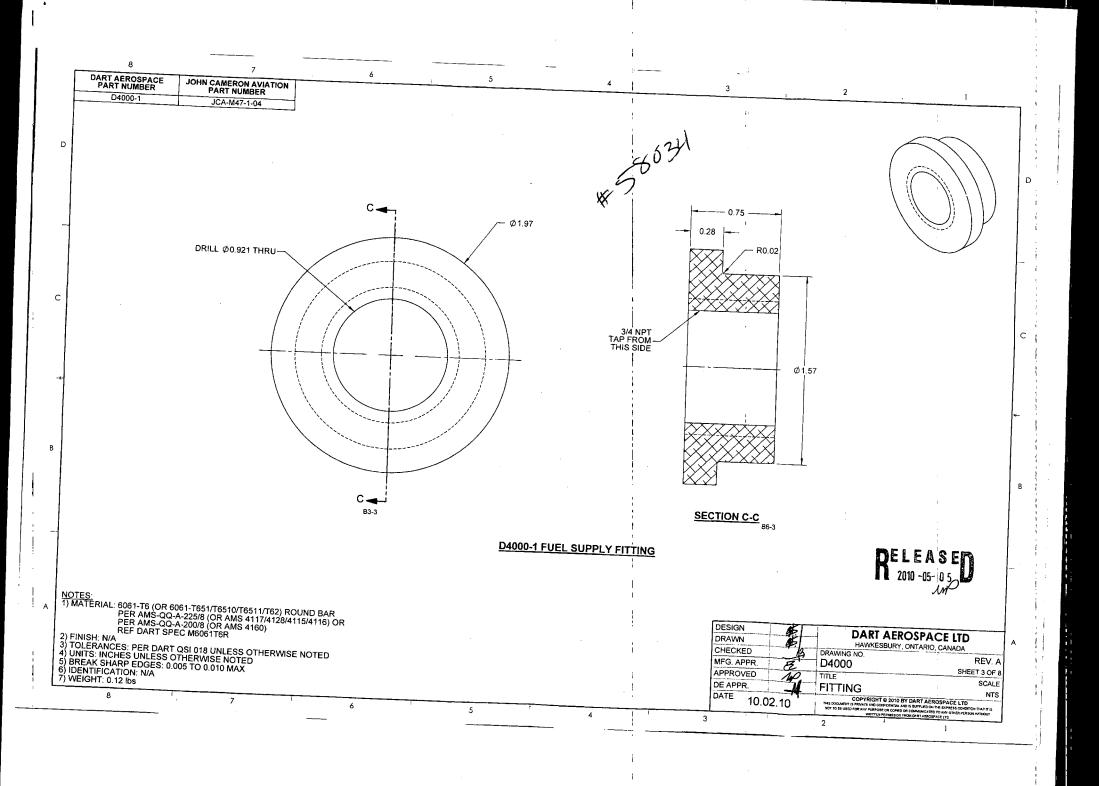
2 ,

D

W/O:			WORK ORDER CHANGES								
DATE	STEP	PRO	OCEDURE CH	ANGE	i	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	
			···								
							İ				
							i	1			
						ŀ					
Part No	:	PAR #:	Fault Ca	tegory:	NCI	R: Yes	No DQA		Date: _		
	Resolution:		•								
NCR:			WORK OR	DER NON-CONFORM	ANCE	(NCR)				
DATE	STEP	Description of NC			ction B	0:	Verifica		Approval	Approval	
DAIL	SILF	Section A	Initial Chief Eng	Action Description Chief Eng		Sign & Date	Section	С	Chief Eng	QC Inspector	
				<u>i</u>							
				·		1				1	



W/O:				1 -						
DATE	STEP	PRC	CEDURE CH	ANGE		Ву	Date	dty	Approval Chief Eng / Prod Mgr	Approval QC inspector
										•
						-	ļ			
Part No		PAR #:	Fault Cat	egory:	NCR	: Yes	No DQA :		Date:	
	Re	esolution:	Dispositi	on:	QA:	N/C CI	osed:		Date:	
NCR:		\	WORK ORE	ER NON-CONFOR	MANCE	(NCR)			
DATE	STEP	Description of NC	Initial	Section B	Sign &	Verifica			Approval	
	J	Section A	Initial Chief Eng	Action Description Chief Eng	On	Date	Section	С	Chief Eng	QC Inspector
					l.		ļ			
					:			ı		
ı										



W/O:			WORK ORDER CHANGES										
DATE	STEP	PRO	CEDURE CH	ANGE	Ву	D	ate	City	Approval Chief Eng / Prod Mgr	Approval QC Inspector			
						-			1 Tod Wigi				
•													
Part No		PAR #:	Fault Car	tegory:	NCR: Ye	es No	DQA:		Date: _				
	R	esolution:	Disposit	QA: N/C	Close	ed:	 	Date: _	- AV-				
NCR:			WORK OR	DER NON-CONFORM	ANCE (N	CR)							
DATE	STEP	Description of NC		ction B		Verifica		Approval	Approval				
DATE	SIEP	Section A	Initial Chief Eng	Action Description Chief Eng		n & ate	Section	C	Chief Eng	QC Inspector			
· · · · · · · · · · · · · · · · · · ·	<u> </u>									1			
!													

8 DART AEROSPACE PART NUMBER 5 JOHN CAMERON AVIATION PART NUMBER 4 2 *58034 D4000-3 JCA-M47-1-05 D-R0.69 -CHAMFER 0.020 X 45° С R0.02 1/8 NPT-1.06 Ø0.34 Ø0.26^{+0.01} D-B3-4 -CHAMFER 0.18 X 45° 0.66 SECTION D-D **D4000-3 FUEL SUMP DRAIN FITTING** NOTES: 1) MATERIAL: 6061-T6 (OR 6061-T651/T6510/T6511/T62) ROUND BAR PER AMS-QQ-A-225/8 (OR AMS 4117/4128/4115/4116) OR PER AMS-QQ-A-200/8 (OR AMS4160) REF DART SPEC M6061T6R DESIGN REF DART SPEC M6061T6R

2) FINISH: N/A

3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED

4) UNITS: INCHES UNLESS OTHERWISE NOTED

5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX

6) IDENTIFICATION: N/A

7) WEIGHT: 0.03 lbs DART AEROSPACE LTD DRAWN HAWKESBURY, ONTARIO, CANADA CHECKED DRAWING NO. MFG. APPR D4000 REV. A APPROVED SHEET 4 OF 8 TITLE DE APPR. SCALE FITTING NTS DATE 8 COPYRIGHT © 2010 BY DART AEROSPACE LTD

IT IS PROVIDE AND COMPONIUM, AND IS EMPHASION THAN EXPRESS COMMINION THAT IT IS

SED FOR AMP PURPOSE ON COMPONIUM COMMINICATION TO JAMP OTHER PERSON WITHOUT

THE PROVIDE ON COMPONIUM COMMINICATION TO JAMP OTHER PERSON WITHOUT

THE PROVIDE OF COMPONIUM COMP 10.02.10

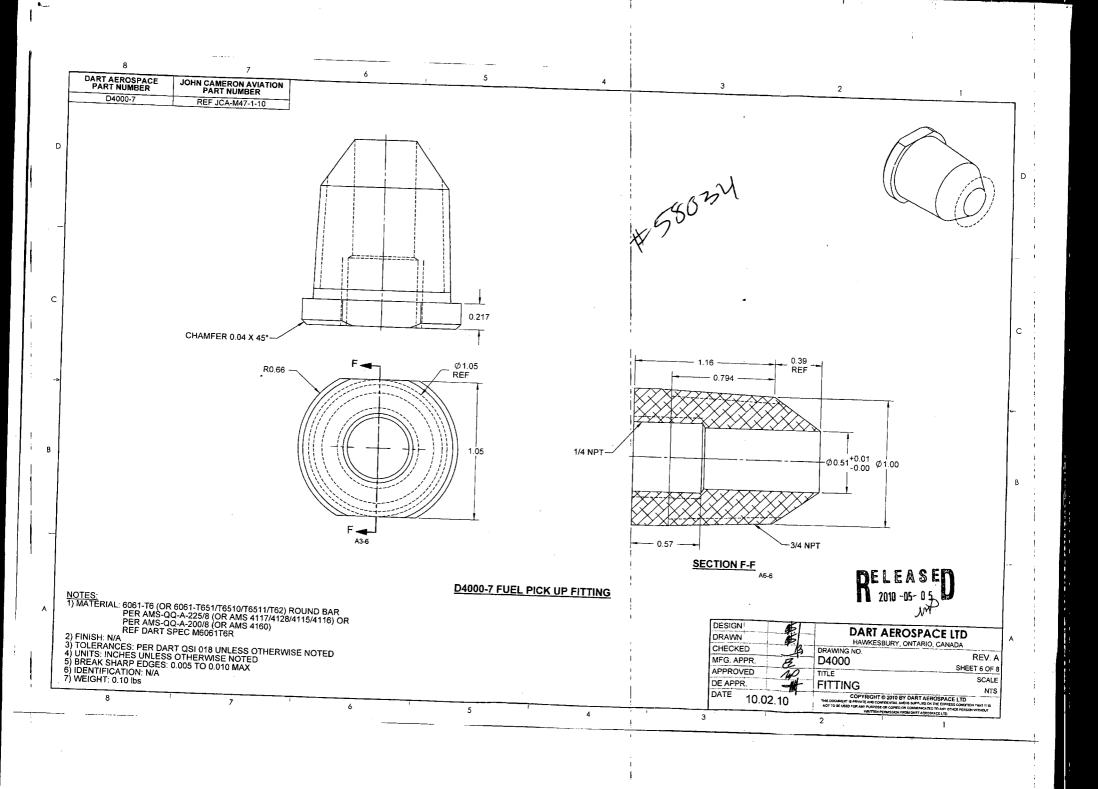
3

2

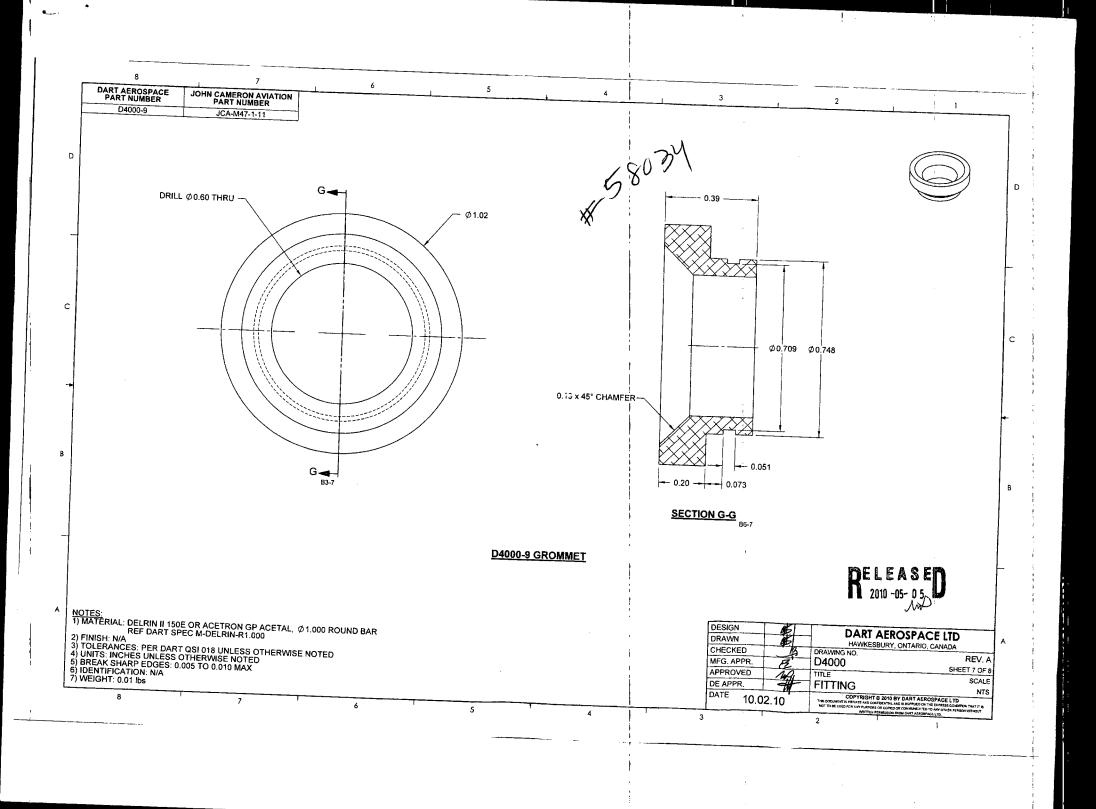
W/O:										
DATE	STEP	PRO	CEDURE CHA	NGE	В	,	Date	City	Approval Chief Eng / Prod Mgr	Approval QC Inspector
							}			
										, -
Part No	•	PAR #:	Fault Cate	gory:	NCR: Y	es N	lo DQA :		_ Date: _	
	R	esolution:	Dispositio	n:	QA: N/0	Clos	sed:	ļ	Date:	
NCR:	WORK ORDER NON CONFORMANCE									
DATE	STEP	Description of NC		Corrective Action Section			Verifica	tion	Approval	Approval
DATE	SIEF	Section A	Initial Chief Eng	Action Description Chief Eng		gn & ate	Section		Chief Eng	QC Inspector
				•						
		,								
					v					
									;	

3 2 DART AEROSPACE PART NUMBER JOHN CAMERON AVIATION PART NUMBER D4000-5 JCA-M47-1-09 D D Ø1.57 - 0.59 ----R0.02 DRILL Ø0.578 THRU-3/8 NPT TAP FROM THIS SIDE 0.98 E-SECTION E-E B6-5 B3-5 **D4000-5 FUEL TANK VENT FITTING** 2010 -05- 0 5, NOTES: 1) MATERIAL: 6061-T6 (OR 6061-T651/T6510/T6511/T62) ROUND BAR PER AMS-QQ-A-225/8 (OR AMS 4117/4128/4115/4116) OR PER AMS-QQ-A-200/8 (OR AMS 4160) REF DART SPEC M6061T6R DESIGN DART AEROSPACE LTD DRAWN HAWKESBURY, ONTARIO, CANADA 2) FINISH: N/A
3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
4) UNITS: INCHES UNLESS OTHERWISE NOTED
5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
6) IDENTIFICATION: N/A
7) WEIGHT: 0.04 lbs DRAWING NO. CHECKED REV. A D4000 MFG. APPR. SHEET 5 OF 8 APPROVED SCALE **FITTING** DE APPR. NTS COPYRIGHT © 2010 BY DART AEROSPACE LTD
PAS DOCUMENT & PRIVATE AND CONFIDENTIAL AND IS SUPPLIED OF THE EMPRESS CONDITION TO BE USED FOR ANY PURPOSS OR COMED OR COMMENSATION. DATE 10.02.10 8 3

Dan Aei	Uspace	Liu					L			
W/O:			WO	RK ORDER CHANGES						
DATE STEP		PROCEDURE CHANGE			Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	
Part No:		PAR #:	PAR #: Fault Category: NCR: Yes No D				QA: Date:			
	R	esolution:	Disposition	: G	A: N/C Clo	sed:	<u> </u>	Date: _		
NCR:	,	\	WORK ORDE	R NON-CONFORMANO	E (NCR)				
DATE	STEP	Description of NC Section A	Initial	Corrective Action Section B Action Description	Sign &	Verific Section	ation	Approval Chief Eng	Approval QC Inspector	
			Chief Eng	Chief Eng	Date					
								:		
					,					

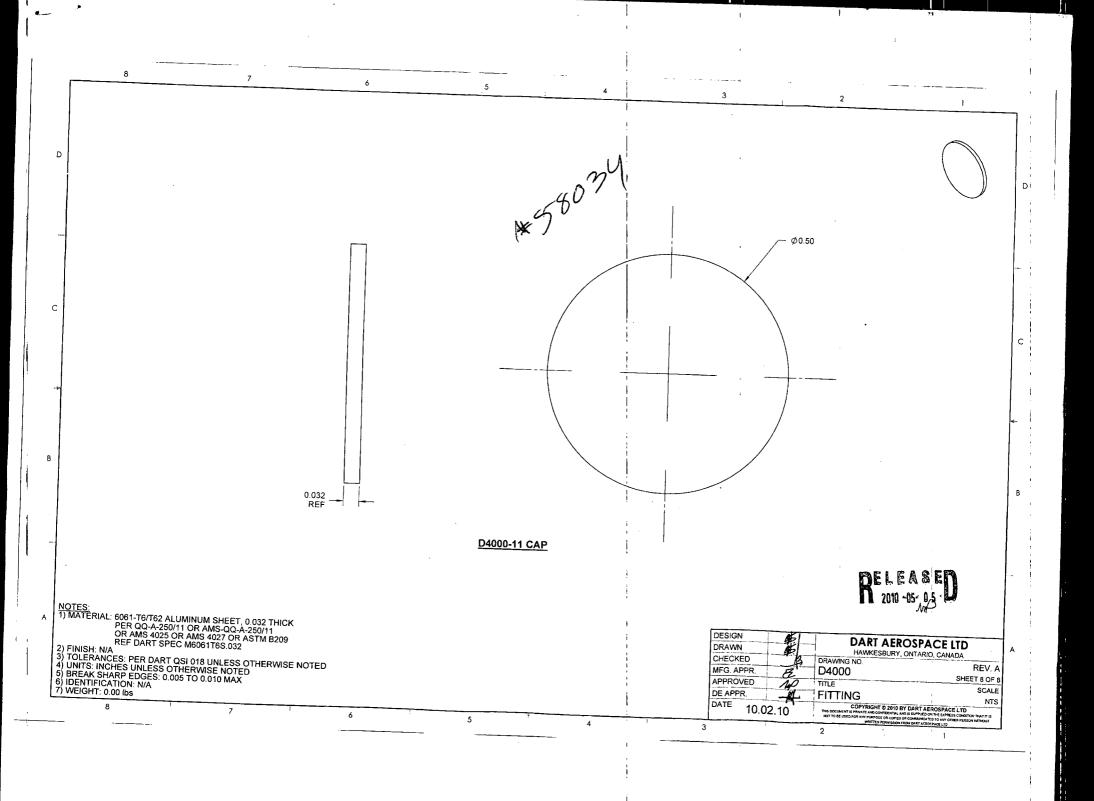


W/O:	rospace Lt		W	ORK ORDER CHANGES			+		
DATE STEP		PROCEDURE CHANGE			Ву	Date	Oty	Approval Chief Eng / Prod Mgr	Approva QC Inspecto
Part No) :	PAR #:	Fault Cate	egory: N	CR: Yes	No DQA	\: <u> </u>	_ Date: _	
	Resc	lution:	Disposition	on: C	A: N/C CI	osed:	-	Date: _	
NCR:			WORK ORD	ER NON-CONFORMANO	E (NCF	₹)			
		Description of NC		Corrective Action Section B		Verific		Approval	Approva
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign 8 Date	Section Section		Chief Eng	QC Inspecto
i									
			t I						
								Í	



D	art	A	er	os	pa	ce	Ltd	
---	-----	---	----	----	----	----	-----	--

W/O:			WO	RK ORDER CHANGE	S				············
DATE	STEP	PROCEDURE CHANGE			Ву	Date	Qiy	Approval Chief Eng / Prod Mgr	Approval QC Inspector
								·	
			,						
Part No: PAR #: Resolution: NCR:		PAR #:	Fault Cate	gory:	NCR: Yes	No DQA :		_ Date: _	
		esolution:	Disposition	QA: N/C Clo	osed:	 			
			WORK ORDER NON-CONFORMANCE (NCR						
		Description of NC	Corrective Action Section B			Verifica		Approval	Approval
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section		Chief Eng	QC Inspector
									į
					ı		·		



Dart	Aero	space	Ltd

W/O:		WORK ORDER CHANGES								
DATE STEP		PROCEDURE CHANGE				D	ate	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
				•						
Part No:		PAR #:	Fault Ca	_ NCR: Y	NCR: Yes No DQA:			.: Date:		
Resolution:		Disposit	_ QA: N/C	_ QA: N/C Closed:			Date:			
NCR:		V	VORK OR	DER NON-CONFORM	ANCE (N	CR)				
DATE	STEP	Description of NC Section A	Initial Chief Eng	Corrective Action Section Description Chief Eng		n & ate	Verifica Section		Approval Chief Eng	Approval QC Inspector